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10/14/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sakuma, K., et al.  
Appl. No.: 09/775,841  
Filed: February 1, 2001  
Title: OPTICAL SWITCH  
Art Unit: 2882  
Examiner: Chih Cheng G. Kao  
Docket No.: 0113197-002

Commissioner for Patents  
Washington, DC 20231

**RESPONSE TO OFFICE ACTION**

Sir:

This Response is submitted in response to the Office Action dated July 3, 2002. Applicants request amendment to the patent application as set forth below.

**In the Specification:**

Please amend the specification at page 10, lines 20-26 to read as follows:

The Y-shaped core 24 in this example is comprised by an input-side linear section 24a extending from the light input side; a branching section 24b formed on the light output side of the input-side linear section 24a; a separation section 24c disposed in a curve-shape or a linear-shape in such a way that the two branched cores 25a, 25b extending from the light output side of the branching section 24b separate from each other; and an output-side linear section 24d so that the branched cores 25a, 25b are parallel to each other.

Please amend the specification at page 11, lines 5-10 to read as follows:

Light inputting from an input port 26a on the input side reaches the branching section 24b through the input-side linear section 24a, and is input from the apex 27a into the light input section 27 and is output from the base perimeter 27b and is input into the branched cores 25a, 25b (light output section 28) through the cladding layer 3 to propagate. The light is output through the appropriate output ports 26b, 26c. Therefore, in this case also, propagation of light takes place as illustrated in Figures 1-3.